

CLAIMS

1. Washing machine comprising a washing aid dispenser and a washing tub adapted to be supplied, through said dispenser, with a mixture of water and said washing aids, said washing aid dispenser (2, 102) being provided with at least a compartment (3, 103), which is adapted to contain said washing aids and is provided with a first siphon (8, 108) having a pre-determined suction height (h) to draw-in and convey towards said washing tub a first layer of said mixture, and at least with a second siphon, **characterized in that** said second siphon (14, 114) has a suction height (H) higher than said first siphon (8, 108) to draw-in and convey towards said washing tub a second layer of said mixture, said second layer lying in said dispenser (2, 102) at a greater height with respect to said first layer.

2. Washing machine according to claim 1, **characterized in that** said at least a compartment (3, 103) is in communication with water supply means (4, 104) adapted to deliver water from said machine, said water supply means being provided with a plurality of apertures (7, 107) adapted to let water into said compartment (3, 103).

3. Washing machine according to claim 1, **characterized in that** said first and second siphons (8, 14, 108, 114) are formed by a first conduit (9, 109) associated to a first cap piece (10, 110) situated thereabove and a

second conduit (15, 115) associated to a second cap piece (16, 116) situated thereabove, respectively, in which each one of said first and second conduits (9, 15, 109, 115) is open at both opposite extremities thereof.

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4. Washing machine according to claim 1, **characterized in that** the water head of said second siphon (14, 114) is higher than the water head of said first siphon (8, 108).

10 5. Washing machine according to claims 3 and 4, **characterized in that** the diameter of said second conduit (15, 115) is larger than the diameter of said first conduit (9, 109).

15 6. Washing machine according to claim 1, **characterized in that** in said compartment (3, 103) there is further provided a third siphon (17, 117) having a suction height (H') that is greater than the suction height (H) of said second siphon (14, 114).

20 7. Washing machine according to claim 6, **characterized in that** said third siphon (17, 117) is formed by a third conduit (18, 118) that is open at both opposite ends thereof, and a third cap piece (19, 119) situated thereabove.

25 8. Washing machine according to claims 4 and 6, **characterized in that** the water head of said third siphon (17, 117) is higher than or equal to the water head of said second siphon (14, 114).

30 9. Washing machine according to claim 3, **characterized in that** the base (120) of said second cap piece (116) forms an acute angle with respect to the bottom (112) of the dispenser (102) so as to define a first suction zone (F) having a variable suction height in respect to said bottom (112).

10. Washing machine according to claim 7, **characterized in that** the base (121) of said third cap piece (119) forms an acute angle with respect to the bottom (112) of the dispenser (102) so as to define a second suction zone (F') having a variable suction height in respect to said bottom (112).

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11. Washing machine according to claims 9 and 10, **characterized in that** said second suction zone (F') is located at a greater distance from said bottom (112) than said first suction zone (F).

10 12. Washing machine according to claim 11, **characterized in that** said second suction zone (F') has a lower level that substantially coincides with the upper level of said first suction zone (F), and extends with the same inclination as the latter, in such a manner as to obtain a substantially continuous suction zone including said first and said second
15 zones (F, F').

13. Washing aid dispenser for a washing machine provided with at least a compartment (3, 103) adapted to contain said washing aids and to supply said washing machine with a mixture of water and said washing
20 aids, said compartment (3, 103) being provided with a first siphon (8, 108) having a pre-determined suction height (h) to supply said washing machine with a first layer of said mixture, and at least a second siphon (14, 114), **characterized in that** said second siphon (14, 114) has a suction height (H) higher than said first siphon (8, 108) to supply said
25 washing machine with a second layer of said mixture, said second layer lying in said dispenser (2, 102) at a greater height with respect to said first layer.